

Continuation of Serial No.: 09/244,130

Renumber pages 50-58 as pages 80-88, respectively; and renumber pages 59-88 as pages 50-79, respectively.

NE After page 93, and before page 94, please insert the attached pages titled "SEQUENCE LISTING".

On pages 89-93, renumber references "1" through "37" to read --1B-- through --37B--.

IN THE CLAIMS:

Please cancel claim 1.

Please add the following new claims:

--23. A recombinant mammalian or plant chromosome comprising an endonuclease site selected from the group consisting of HO endonuclease and Group I intron encoded endonuclease sites.

24. The recombinant chromosome of claim 23, wherein said endonuclease site is a Group I intron encoded endonuclease site.

25. The recombinant chromosome of claim 24, wherein said endonuclease site is selected from the group consisting of Class I I-endonuclease sites, Class II I-endonuclease sites, Class III I-endonuclease sites, Class IV I-endonuclease sites, and Class V I-endonuclease sites.

26. The recombinant chromosome of claim 25, wherein said endonuclease site is a Class I I-endonuclease site.

27. The recombinant chromosome of claim 26, wherein said endonuclease site is selected from the group consisting of I-SceI, I-SceIV, I-Csml, and I-PanI sites.

28. The recombinant chromosome of claim 27, wherein said endonuclease site is an I-SceI site.

29. The recombinant chromosome of any of claims 23-28, wherein said chromosome is a mouse chromosome.

30. A recombinant mammalian or plant cell comprising a recombinant chromosome comprising an endonuclease site selected from the group consisting of HO endonuclease and Group I intron encoded endonuclease sites.

31. The recombinant cell of claim 30, wherein said endonuclease site is a Group I intron encoded endonuclease site.

32. The recombinant cell of claim 31, wherein said endonuclease site is selected from the group consisting of Class I I-endonuclease sites, Class II I-endonuclease sites, Class III I-endonuclease sites, Class IV I-endonuclease sites, and Class V I-endonuclease sites.

33. The recombinant cell of claim 32, wherein said endonuclease site is a Class I I-endonuclease site.

34. The recombinant cell of claim 33, wherein said endonuclease site is selected from the group consisting of I-SceI, I-SceIV, I-Csml, and I-PanI sites.

35. The recombinant cell of claim 34, wherein said endonuclease site is an I-SceI site.
36. The recombinant cell of any of claims 30-35, wherein said cell is a mouse cell.
37. The recombinant cell of claim 36, wherein said cell is a mouse stem cell.
38. A retroviral vector comprising an endonuclease site selected from the group consisting of HO endonuclease and Group I intron encoded endonuclease sites.
39. The retroviral vector of claim 38, wherein said endonuclease site is a Group I intron encoded endonuclease site.
40. The retroviral vector of claim 39, wherein said endonuclease site is selected from the group consisting of Class I I-endonuclease sites, Class II I-endonuclease sites, Class III I-endonuclease sites, Class IV I-endonuclease sites, and Class V I-endonuclease sites.
41. The retroviral vector of claim 40, wherein said endonuclease site is a Class I I-endonuclease site.
42. The retroviral vector of claim 41, wherein said endonuclease site is selected from the group consisting of I-SceI, I-SceIV, I-CsmI, and I-PanI sites.
43. The retroviral vector of claim 42, wherein said endonuclease site is an I-SceI site.